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TITLE: SALL CLOTH

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INVENTOR-INFORMATION:

NAME

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ABSTRACT:

TROBLEM TO BE SOLVED: To provide a sail cloth made of polygenzatole fiber that causes a low level of strength degradation even when it is exposed to high temperature and high humidity conditions for a long period of time.

SOLUTION: An organic pigment that has high heat resistance with a thermal decomposition temperature of $\geqslant 200\,^{\circ}\text{C}$ and dissolves in mineral acid, preferably bears the and/or NH- groups in its molecular structure, particularly perinone and/or perylene, phthalocyanine or quinacridone is included in the fiber thereby this is also fiber having a strength retention rate of $\geqslant 80\%$ is obtained after the liber is twisted at a twist coefficient of 30, then the twist coefficient is loosened to 6 after 30 seconds and then treated under the conditions of a temperature of $80\,^{\circ}\text{C}$ and a relative humidity of 80% for 240 hours. The high-strength tiber made of polybentazole with a strength retention rate of $\geqslant 80^{\circ}$ is partially used to produce the sail cloth.

COUNTRY

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